

# METHOD AND SYSTEM FOR EFFICIENT CHARACTER-BASED PROCESSING

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## ABSTRACT

An illustrative summary of the invention, with particular reference to the detailed embodiment described below, includes a method and apparatus for processing character-based languages in a mobile system. This includes a central mobile processor capable of very long instruction word (VLIW) processing and efficient non-romance language character generation. This is preferably integrated with the DSP (digital signal processor) used for applications such as converting analog speech to/from a digital representation. A compression engine may also be included as part of the the mobile unit and corresponding network routers. This allows one to design a flexible, low-power processor for the next-generation mobile devices.

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